

2016

SKILLS AND COMPETENCE BUILDING FOR THE INTERNATIONAL OIL & GAS INDUSTRY

Stavanger Offshore Technical College
Stavanger Offshore Technical College Course Centre



SOTS
COURSE CENTRE



International Course Package

1/1/2016





Announcement of the collaboration within the established consortium between Petrad, SOTS, and Energiring

Iran is a major player in the global oil market and has a unique opportunity to be a regional and international player in the natural gas market. Due to political restrictions, Iran has not been exposed to recent knowledge and technology advancements within the petroleum industry.

Norway is a world leader in areas of the petroleum industry, specifically offshore oil and gas. From both technical and managerial points of view, Norway has successfully demonstrated the capability of not only developing new technologies/procedures but also getting the new products/manners into the market. The demonstrated concept of combining education, technology development and use of new technology is a Norwegian trademark. There is also a well-established tradition of close collaboration between authorities, industries and knowledge institutes in Norway that can inspire other countries.

In building competence in Norway from the very start of the oil industry era, Norway drew benefits from the principle of teaching the teachers arrangements. Drawing upon first class competence worldwide, Norway got a kick start in its development of its knowledge base. The principle has been applied in many collaboration projects between Norway and other countries.

Aiming at knowledge and experience transfer between Norway and Iran, a consortium has been established, consisting of Petrad, Stavanger Offshore Technical College and the company Asia Energiring. The partners in the consortium and their employees have long track records within education, technology development and natural resource management.

The partners of the consortium have signed a memorandum of collaboration agreement, committing themselves to deliver high quality courses, workshops, seminars, and other programs under the Energiring lead, on demand from Iranian authorities, industries, and R&D organizations.

The consortium partners are committed to provide tailor-made training services to strengthen both national and private Iranian organizations' capabilities in managing the petroleum resources and operations more efficiently. These knowledge transfer activities within the field of energy and petroleum will be the first step of a long-term collaboration between the countries, aiming at providing the state of the art knowledge in these fields.



www.petrad.no



www.energiring.com



www.sots.no

Stavanger Offshore Technical College (SOTS) and SOTS Course Centre

Stavanger Offshore Technical College (SOTS) is a public education institution in Norway, and a leading provider of specialized vocational education and training for the oil and gas industry, both at national and international levels. SOTS offers programs both at upper secondary as well as Technical College level. SOTS has modern facilities and equipment that complement all training needs such as pipe handling simulators.

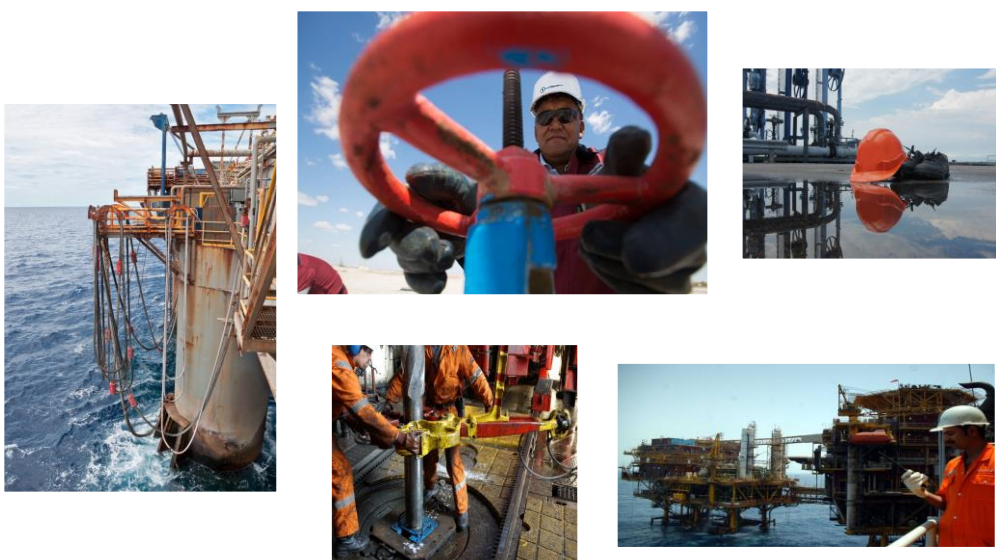
SOTS Course Centre is a privately funded enterprise affiliated to SOTS and runs courses in several areas attending various industries:

● Oil & Gas	● Hydraulics	● Chemical processing	● Automation
● Maritime	● Mechanical	● Crises Management	● Electrical
● Forklift	● Crane & Lifting	● Building	● Safety

The Course Centre also has a **Materials Testing Station** that provides training opportunities for students but also specialized services for customers.

SOTS also runs a full-scale **Safety Centre** that conducts expert training in the areas of offshore, maritime and land based activities. The Safety Centre offers training in offshore sea rescue, firefighting and HUET. It has a helicopter simulator evacuation unit located in Stavanger.

SOTS Course Center is annually audited and certified by DNV and OLF in accordance with international guidelines. It also holds Norwegian certification, in order to engage with certified safety training in crane and lifting operations.



An overview of SOTS and SOTSCC national and international activities

	COUNTRY	ACTIVITY	PARTNERS/COLLABORATORS	YEAR OF DELIVERY
1	ALGERIA	Development of concept of Drilling Supervisors training	Statoilhydro Algeria	2008
2	ANGOLA	“Train the Trainers” program for subsea technology.	Aker Kvaerner, FMC Subsea and Vetco Gray Norge. Partly by the Ministry of Petroleum and Energy in Norway and also by INTSOK.	2008
		Education in drilling Angola	Seadrill ASA	2010/2011
		Establish Safety Centre INP Angola	Statoil ASA	2009/2010
		Pre-study Development of Technical College at INP, Angola	Norwegian Petroleum Directorate	2009
		Renewal of study at Instituto Nacional de Petróleos, Angola	INTSOK	2008/2009
		Baseline study Mapess, Angola	NORAD	2008
		Evaluation of study at Instituto Nacional de Petróleos	INTSOK	2007
3	AZERBAIJAN	Development of National VET program	Norwegian Ministry of Foreign Affairs	2015-2017
4	BANGLADESH	Matchmaking Program	Ordered by: Statoil ASA	2013
5	BRAZIL	Development of on-the-job training for offshore drilling department. Management platform for HR personnel. QHSE program (company specific)	Odebrecht Oil & Gas	2013-present
		Technical College Program (TCP)	Archer Brazil	2015-present
		Development of course content for position of Derrickman (specific for the Brazilian O&G industry). 12-month course delivered to local students.	Technical School of Rio de Janeiro (ETERJ)	2014/2015
6	EQUATORIAL GUINEA	Education of locally employed personnel from Equatorial Guinea within the area of industrial processes.	ABB Offshore Systems	2005
		Education of Process Operators, local personnel	ABB	2003
7	EUROPEAN UNION	A Europe based project involving Denmark, Spain, Estonia, Italy and Norway to	Offshore Center Denmark (Denmark); Centro de Seguridad Maritima Integral	2005-2007

		assess the use of online distance learning in connection with oil spill crisis management.	Jovellanos (Spain); Estonian Maritime Academy (Estonia); Seicom Italia Srl (Italy); and SOTS and RKK Rogaland (Norway).	
8	FAROE ISLANDS	Project FING – Network in education and training for the oil and gas industry. Train the Trainer programs and curricular development.	Vinnuháskúlin Centre of Maritime Studies and Engineering, Tórshavn	2012-present
		Building up local expertise in well engineering on the Faroe Islands.	Statoil	2011
9	GHANA	Implementation skills development oil and gas Ghana	COTVET Ghana (Worldbank)	2010-2011
10	GREENLAND	Project FING – Network in education and training for the oil and gas industry. Train the Trainer programs and curricular development.	Greenland School of Minerals and Petroleum, Sisimiut	2012-present
11	ICELAND	Project FING – Network in education and training for the oil and gas industry. Train the Trainer programs and curricular development.	Akureyri Comprehensive College, Akureyri	2012-present
		Establish MoU with College of transportation, Semey	Norwegian Ministry of Education	2009
12	MADAGASCAR	Training of personnel ministries subjects Oil and Gas,	OMNIS	2008
13	NAMIBIA	Establish MoU with Namibian Maritime and Fisheries Institute	Namibian Maritime and Fisheries Institute	2008
14	NIGERIA	Marine centre Port Harcourt Nigeria – prestudy	River State Development Agency	2010
		Development of VET curriculums according	UNITAR/TOTAL Nigeria	2009
		Fact finding mission maritime education,	Norwegian Shipowners association	2007
15	NORWAY	Cooperation on various joint ventures from training to use of facilities.	Aker Solutions Well Service	2010-2015
		Training program in pipe-handling simulator. Training in safety.	COSL	2010-2015
		Technical College Program (TCP)	Maersk	2015-present
		Cooperation on several projects. Online training program Technical College Petroleum (TCP) was developed exclusively for	Seadrill	2008-2016

		Seadrill personnel.		
		Tailor made program in HSE at construction site. Carried out in Norway, France, Korea and Poland.	Total E	2011-2015
		Signed framework agreement encompassing technical training on national and international levels. Training carried out within process operator, mechanical disciplines and crane operator.	Statoil	2010-2015
		Cooperation on varied industry related projects.	Weatherford	2011-2015
		Cooperation has taken place on several projects. One such project was for Inspectors Training for Compliance Monitoring in the Sudanese Petroleum Industry. PTIL and KLIF were also involved.	Norwegian Petroleum Directorate	2010-2015
		Cooperation with Rogaland Kurs og Kompetansesenter is on a project-to-project basis.	Rogaland Kurs og Kompetansesenter (RKK)	1995-present
		Development of international fully internet based program: Technical College Petroleum	Seadrill ASA	2009/2010
		Development of international training concept Process Operators	Aker Operations	2006
		Training in safety/crisis management. Fast track program drilling personnel	SONGA	2011-2016
		Training in process operator	DONG	2014-2015
16	POLAND	Cooperation between SOTS Course Centre and Offshore Training Centre allows Polish offshore workers to receive Norwegian Oil and Gas Association approved offshore training.	Offshore Training Centre (Poland)	2014-present
17	SINGAPORE	Seminar on E&P HSE Operatorship	PETRAD	2008
18	SOUTH AFRICA	Oil and gas development for four leading South African FET Colleges in the Cape	- Northlink College - False Bay College - West Coast College - College of Cape Town	2013-2015
		Delivery of specialized courses for the oil and gas industry	South African Maritime Training Academy (SAMTRA)	2015

19	SUDAN	Two training programs set up for Inspectors Training for Compliance Monitoring in the Sudanese Petroleum Industry	In cooperation with the Norwegian Petroleum Directorate (NPD), Petroleum Safety Authority Norway (PTIL), Climate and Pollution Agency (KLIF) and PETRAD.	2012/2013
20	UGANDA	Strategic plan Uganda Petroleum Institute Kigumba	Worldbank	2011 Uganda
		Assist Uganda in capacity building of vocational skills for the oil and gas industry	Norwegian Petroleum Directorate	2010
		Pre-study Oil education in Uganda	Norwegian Petroleum Directorate	2009
21	VIETNAM	Train the Trainers Program for Welding, Machining, Service & Maintenance and Petrochemical Laboratory.	Co-operating partners Selandia College (DK), EUC Syd (DK) and Rogaland Kurs- og Kompetansesenter (RKK)	2008
		Train teacher Dung Quat College in Process education	Danida	2009